RURAL DISTRICT COUNCIL OF BURY.

ANNUAL REPORT

OF THE

Medical Officer of Health,

1915.

BURY:

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MEDICAL OFFICER'S REPORT

For 1915.

Population at Census, 1911 - - -	9,043
Estimated Population at middle of 1915	9,258
Area of District in Statute Acres -	12,014

To the Rural District Council of Bury.

Mr. Chairman and Gentlemen,

I beg to submit my Report on the Health and Sanitary condition of the District for the year 1915. I have again to express my indebtedness to you for giving me facilities to perform the duties of Medical Officer of Health while still doing my military work. I should like also again to say how grateful I am to Mr. Hurst for the efficient way he has carried out the extra duties which have fallen on his shoulders.

The Rural District of Bury is a wide and scattered one, being composed of all that part of the Bury Union which is not Urban. It lies at an altitude varying from 125 feet above sea level at Molyneux to 1500 feet at Whittle Pike, Shuttleworth.

The District contains both agricultural and industrial communities. The chief centres of population are in parts of each of the various localities, especially Ainsworth, Bamford, Outwood, and Unsworth, Birtle to a less extent, while Walmersley-cum-Shuttleworth is mainly agricultural. The inhabitants in these centres of population are chiefly employed in textile industries consequently there is a large demand for female labour. There are about 100 Milk Farms in the District. The milk, in addition to supplying the inhabitants, is carried for sale to the various Urban Districts in the neighbourhood.

Birth Rate.—169 births have been registered during the year, consisting of 86 males and 83 females. This gives a Birth Rate of 18.2 per 1000 persons living compared with 19·5 in 1914. This is the lowest rate I have ever recorded. The average rate for the previous five years was 20·5 per 1000.

Crude Death Rate—The total number of deaths registered in the district was 141, of which 72 were males and 69 were females, giving a crude Death Rate of 15·2 per 1000 persons living, compared with 14·2 in 1914.

Corrected Death Rate.—Of the 141 deaths 17 have been transferred to other districts, and 13 other deaths registered elsewhere, of persons usually resident in this district, have been transferred here, making altogether 137 deaths of residents, 72 of these were males and 65 females. This gives a Death Rate of 14·5 per 1000 persons living which is 1·2 per 1000 higher than in 1914. The average Death Rate for the previous 5 years was 12·4 per 1000.

The following Table shows the particulars of the various localities :—

Locality	Area in Statute Acres.	Population		Births			Birth rate per 1,000	Deaths		Corectd. death rate per 1,000
		Census 1911	Estimated Middle 1914	Males	Females	Illegitimate		Males	Females	
Ainsworth	1460	1903	1968	15	17	0	16·2	17	11	14·2
Birtle-cum-Bamford	2410	1676	1695	15	15	1	17·6	13	16	17·1
Outwood	1938	2099	2204	30	26	0	25.4	25	13	17·2
Unsworth	3067	2707	2727	22	18	1	14·6	13	20	12·1
Walmersley-cum-Shuttleworth	3139	658	664	4	7	0	16·5	4	5	13·5
Total.....	12014	9043	9258	86	83	2	18·2	72	65	14·7

Infantile Mortality.—There is again an increase in the death rate of infants under one year old ; 20 having been registered as against 18 in 1914. Seven of these were due to "Congenital Debility and Malformations, including Premature Birth." Diseases of the Gastro-intestinal tract, Pneumonia and Measles have each caused 2 deaths. The ages at which these deaths occurred were 5 during the first week of life, and 4 during the second week, 7 of these 9 being caused by Congenital Debility, Malformations, or by Premature Birth. There were 2 deaths between one and three months, 2 between three and six months, 3 between six and nine months, and 4 between nine and twelve months.

There were no deaths among illegitimate children under one year old registered during the year.

Mortality under Five years of age.—26 out of the total number of deaths occurred among children under 5 years old. This is at the rate of 18·9 per cent. of the total deaths, compared with 15 per cent. in 1914.

Mortality over Sixty-five years of age.—The deaths of 37 persons over 65 years of age were registered during the year, giving a rate of 27 per cent. of the total deaths, compared with 31.7 per cent. in 1914.

Zymotic Death Rate.—There have been 1 death from Enteric Fever, 3 from Measles, 3 from Scarlet Fever, 1 from Whooping Cough, 3 from Influenza, and 5 from Diarrhoea and Enteritis, a total of 14, during the year. This gives a rate of 1·7 per 1000 persons living or 11·6 per cent. of the total deaths compared with 4·7 per cent. in 1914.

Tubercular Diseases have caused 8 deaths, viz: 5 from Pulmonary Tuberculosis and 3 from other forms. This gives a rate of ·84 per 1000 persons living, or 5·8 per cent. of the total deaths, compared with 5·5 per cent. in 1914.

Cancer and other Malignant Diseases have caused 9 deaths during the year, being at the rate of ·97 per 1000 persons living, or 6·5 per cent. of the total deaths. In 1914 the rate was 7·9 per cent. of the total deaths.

Diseases of the Respiratory Organs have caused 26 deaths during the year, being at the rate of 2·8 per 1000 persons living or 18·9 per cent. of the total deaths, compared with 19 per cent. in 1914.

Notification of Infectious Diseases.—47 cases of the ordinary infectious diseases have been notified during the year, compared with 88 in 1914. 32 of these were cases of Scarlatina, of which 16 occurred in Ainsworth, 1 in Birtle-cum-Bamford, 12 in Outwood and 3 in Unsworth. With regard to Tuberculosis 19 were notified, in 13 of these the lungs were affected, and in 4, other organs. During the year 28 cases were removed to the

Institutions of the Bury and District Joint Hospital Board, of which 4 were suffering from Diphtheria, 14 from Scarlatina, 3 from Enteric Fever, and 7 from Pulmonary Tuberculosis.

The following table shows the distribution of the cases in the various localities :

Locality	Ordinary Infectious Cases								Tuberculosis Cases				
	Diphtheria	Erysipelas	Scarlet	Enteric Fever	Puerperal	Total	Infectious Diseases removed to Hospital	Per cent. of ordinary Inf. cases to Pop.	Pulmonary Tubrculosis	Other Tub. Diseases	Total	Tuberculosis cases removed to Sanatorium	Per cent. of Tuberculous cases to Pop.
Ainsworth	—	—	16	1	1	18	8	·9	1	—	1	1	·05
Birtle-cum-Bamford	—	—	1	—	1	2	1	·1	2	—	2	1	.1
Outwood.....	3	—	12	2	1	18	9	·8	4	3	7	2	·3
Unsworth	2	2	3	—	—	7	2	·2	5	—	5	2	·1
Walmersley-cum-Shuttleworth	2	—	—	—	—	2	1	·3	1	1	2	1	·3
Total.....	7	2	32	3	3	47	21	·5	13	4	17	7	·18

Water Supply.—Nearly all the district is served by Water Boards which provide a constant supply. Most of the farms and some of the outlying parts of the district have private supplies. The Authorities that provide the water are the Bury and District Joint Water Board, the Heywood and Middleton Water Board, and the Bolton Corporation. The quality of the water is good and the quantity satisfactory.

Pollution of Rivers is under the control of the Mersey and Irwell Joint Committee.

Drainage and Sewage Disposal Works.—Works for the treatment of Sewage are in operation at Prestolee, Ringley, Outwood, Parrs, Croft Lane, Bamford, and Bradley Fold. They consist of settling tanks and bacteria beds, and in the case of Croft Lane some land filtration in addition.

Every opportunity is taken to procure the conversion of privy middens to water closets, and with regard to new houses water closets are always insisted upon if there is any drainage system available. I regret to say that only 3 privy middens have been done away with during the year. The numbers approximately in the district now are 877 privy middens, 80 pail closets, 528 fresh water closets, and 50 waste water closets.

Special attention has been paid to the condition of the privy middens and the general scavenging arrangements are being satisfactorily carried out, but owing to the scarcity of labour at the present time this has given a good deal of extra trouble to the Sanitary Inspector.

Farm Dairies and Cowsheds.—The general sanitary condition is satisfactory, but greater cleanliness in the neighbourhood of the shippons is desirable. Further experience is emphasising the fact that flies are a great source of danger in the carrying of diseases, and as manure heaps are one of the chief breeding places of flies it is essential that they should not be near the shippon. There are about 100 purveyors of milk in the district. Practically no milk is stored, but is conveyed directly from the shippon to the customers.

Elementary Schools.—There are seven elementary schools situated in the district, viz: at Ainsworth, Buckhurst, Hollins, Prestolee, Ringley, Turn, and Unsworth. They have been periodically inspected and where there has been any outbreak of infectious disease opportunity has been taken to have the building fumigated and thoroughly cleaned. The sanitary condition and ventilation are satisfactory. The water supply is good, all being served by Water Boards except Buckhurst and

Turn, and these have good private supplies. The closet accommodation is ample, but too many of them still have privy middens. It is very desirable that these should be done away with as soon as possible and more modern methods adopted. I would point out to the managers that this would be an education to the children, who would then be able to appreciate the greater cleanliness of the water carriage system compared with the privy middens that most of them see at their homes.

One school, Buckhurst, has been closed on account of Measles. When a case of infectious disease occurs among the scholars attending any school, notice is sent to the managers so that any other pupils living in an infected house are prevented from attending the school. The medical inspection of the scholars is entirely in the hands of the County Council.

Housing and Town Planning Act.—Mr. Hurst, as the Inspector under this Act, is carrying out the inspection of the houses in the district. He reports that they are in good condition on the whole, and that there is ample accommodation in the district. There are very few houses without through ventilation and the great majority have plenty of yard accommodation. All new houses are built in accordance with Byelaws. Plans are submitted to the Council and all houses are inspected before they are tenanted. 80 houses have been inspected during the year, 2 of these have been demolished, 41 are now in good condition and in the remaining 37 improvements are being carried out. No closing orders have been made.

Factory and Workshops Act.—The usual inspections have been made, and the premises have been found in a satisfactory condition in almost every instance. Complaints have been

received about the closet accommodation at two mills from H.M. Inspector of Factories, at one a new scheme on the water carriage system is in process of erection, and at the other negotiations are being carried on to rectify the complaint. There are 33 Factories and 20 Workshops in the district. They are situated in the various localities as follows:—

Locality.	Ainsworth	Birtle-cum-Bamford	Outwood	Unsworth	Walmersley-cum-Shuttleworth	Total
Factories	11	5	4	9	4	33
Workshops	6	5	1	7	1	20
Total	17	10	5	16	5	53

The factories consist of 3 cotton spinning mills, 6 cotton weaving sheds, 1 woollen mill, 6 dyeworks, 2 fulling mills, 1 calico print works, 6 bleach works, 2 wheelwright's shops, 1 joiners' shop, 1 engineer's shop, 2 quarries, 1 firelighter maker's works, and 1 spindle and fly maker's works.

The workshops consist of 2 milliners, 2 barbers, 5 clog makers, 1 undertaker, 1 brewery, 1 tripe-dresser, 5 bakehouses, 1 plumber, and 2 dressmakers.

There are no outworkers in the district.

Appended is the Report of the Inspector of Nuisances and the various Tables required by the Local Government Board and the Home Office.

I beg to remain, Mr. Chairman and Gentlemen,

Your obedient servant,

JAMES W. COOK, M.B.,

Bury, March, 1916. Medical Officer of Health.

INSPECTOR'S REPORT.

UNION OFFICES,
PARSONS LANE,
BURY.

To the Rural District Council of Bury.

Mr. Chairman and Gentlemen,

I beg to lay before you my Annual Report for the year ending December 31st, 1915.

Table of Nuisances, &c., from Jan. 1st to Dec. 31st, 1915	Ainsworth	Birtle-cum Bamford	Outwood	Unsworth	Walmersley-cum-Shuttleworth	TOTAL
No. of Journeys made to each District	84	60	74	64	21	303
,, Visits and Inspections made in each District	260	180	259	210	61	970
,, Notices sent (Legal or Preliminary).....	30	11	17	21	7	86
,, Notifications received and reported upon to the M. O. H. (Tuberculosis included)..	19	4	25	12	4	64
,, Rooms disinfected &cleansed (schools included)	57	10	60	29	9	165
,, Dairies and cowsheds inspected	24	30	10	34	10	108
,, Dairies, Cowkeepers, & Purveyors of milk reg.	20	30	9	25	15	99
,, Houses inspected under the Housing and Town Planning Act, 1909 ..	20	10	25	14	11	80
,, ,, with sanitary imprvemts. carried out	8	5	11	6	11	41
,, ,, ,, ,, being carried out	12	5	12	7	—	36
,, ,, demolished	—	—	1	—	1	2
,, ,, built during the year.....	—	15	—	—	—	15
,, ,, connected to new mains (new houses included)	3	15	—	—	—	18
,, ,, provided with New Spouting and re-flagged yards, and new closets..	9	4	6	3	—	22
,, Privy closets, converted to F.W.C.....	3	—	—	—	—	3
,, Other Nuisances dealt with	25	12	14	20	3	74
,, Nuisances abated	40	31	20	23	3	117
,, ,, receiving attention	18	48	20	10	15	81
,, ,, found, including connections to sewer	58	49	40	33	18	198

Dairies and Cowsheds.

The Dairies and Cowsheds have been periodically inspected and with few exceptions found to be kept in a very fair condition as to cleanliness. No structural improvements to farm buildings have been made during the year and the farmers are endeavouring to carry out the instructions and regulations under very trying times. Leaflets concerning the Maintenance of Live Stock Order of 1915 were distributed among the farmers and butchers of your districts and have been observed.

Factories and Workshops.

Three complaints of nuisances have been made by H. M. Inspector of Factories which have been abated. The conversions of the mill closets to fresh water closets are progressing favourably and am expecting same completed shortly. From a sanitary point of view the conditions under which the work is carried on in the rooms belonging to the workshops are very satisfactory and I am glad to report that any suggestions for further improvement have been carried out willingly.

Dwellings.

15 new dwellings have been completed and with 3 conversion to fresh water closets make a total of 18 for the year. The houses demolished were beyond repair and am expecting more demolished next year. The supply of dwellings seems to keep good as empty ones can be found in all districts but one. Some difficulty has been experienced (owing to shortage of labour) in getting the scavenging done as promptly as usual. Infected dwellings have received every attention, 165 rooms having been disinfected and cleansed, and disinfectants with instructions given out where necessary.

I am, Your obedient servant,

HENRY HURST,

Inspector.

RURAL DISTRICT

Vital Statistics of Whole Dist

Year	Population estimated to Middle of each Year	Births		Total De registered Distri
		Number	Rate	Number
1910	8676	190	21·9	90
1911	9060	176	19·4	110
1912	9120	185	20·2	104
1913	9230	181	19·6	100
1914	9330	182	19·5	134
1915	9258	169 Males 83 Females 86	18·2	141

Area of District in acres (exclusive of area covered by water)

I.

JNCIL OF BURY.

ıring 1915 and previous years.

Transferable Deaths		Nett Deaths belonging to the District			
		Under 1 year of age		At all ages	
Non-sidents istered n the istrict	of Resi-dents not registered in the District	Number	Rate per 1,000 Nett births	Number	Rate
	12	21	110·5	102	11·1
	14	21	119·3	117	12·9
2	8	18	97·2	110	12·05
3	14	12	66·3	111	12·02
28	20	18	98·9	126	13·5
17	13	20	112·4	137 Males 72 Females 65	14·7

Total population at all ages,	9043	At Census of 1911
Number of inhabited houses,	2012	
Average number of persons per house,		

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RURAL DISTRICT

Cases of Infectious Diseas

Notifiable Disease	At all ages	Number of cases not At ages—Years			
		Under 1	1 to 5	5 to 15	15 to 25
Small-pox					
Cholera					
Diphtheria, including Membranous croup ...	7		3	2	1
Erysipelas	2			2	
Scarlet fever ...	32	1	8	22	1
Typhus fever ..					
Enteric fever ..	3			1	
Relapsing fever ...					
Puerperal fever ...	3				1
Pulmonary Tuberculosis	13			2	1
Other forms of Tuberculosis ...	4	1		2	
Totals	64	2	11	31	4

Isolation Hospital: Joint Board, Florence Nightingale, Deardens, Bury
,, Smallpox Hospital, Birtle, Heywood
,, Phthisis Sanatorium, Holcombe, and Bro

I.

NCIL OF BURY.

ied during the year 1915.

	Total cases notified in each Locality					Total cases removed to Hospital
nd rds	Ainsworth	Birtle-cum-Bamford	Outwood	Unsworth	Walmersley cum-Shuttlewrth	
			3	2	2	4
				2		
	16	1	12	3		14
	1		2			3
	1	1	1			
	1	2	4	5	1	7
			3		1	
	19	4	25	12	4	28

Total available beds 96 estimated.
,, ,, 35
worth ,, ,, 100 Deaths in Hospital 4

TABLE III.

RURAL DISTRICT COUNCIL OF BURY.

Causes of, and Ages at Death, during the year 1915.

Causes of Death	All Ages	Nett Deaths at the subjoined ages of residents whether occurring within or without the District								Total Deaths whether of residents or nonresidents in Institutions in the District
		Under 1	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	
All causes, certified	135	20	5	1	7	3	19	44	36	11
All causes, uncertified	2							1	1	
Enteric Fever	1							1		
Small-pox										
Measles	3	2	1							
Scarlet fever	3		1		1	1				
Whooping-cough	1		1							
Diphtheria and croup										
Influenza	3						2		1	
Erysipelas										
Phthisis Pul. Tuberculosis	5				2		1	2		11
Tuberculous Meningitis										

Meningitis ..	3	3								
Organic Heart Disease..	23					1	4	12	6	
Bronchitis	14						1	8	5	
Pneumonia, all forms ..	11	2	1		3		2	1	2	
Other diseases of Respiratory organs ..	1							1		
Diarrhœa and Enteritis	5	2	1	1			1			
Appendicitis & Typhlitis	1							1		
Cirrhosis of liver ..										
Alcoholism										
Nephritis .. .	4				1		1	1	1	
Puerperal Fever.. ..	2						2			
Accidents and Diseases of Parturition										
Congenital Debility ..	8	8								
Violent Deaths	5	1				1		1	2	
Suicides..										
Other defined diseases..	23	1					3	14	5	
Diseases ill-defined or unknown ..	9								9	
	137	20	5	1	7	3	19	45	37	11

TABLE IV.

RURAL DISTRICT COUNCIL OF BURY.

INFANT MORTALITY. 1915.

Nett Deaths from stated causes at various ages under 1 year of age.

Cause of Death	under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
All causes certified	5		4		9	2	2	3	4	20
Small-pox										
Chicken-pox										
Measles								1	1	2
Scarlet Fever										
Whooping Cough										
Diphtheria										
Erysipelas										
Tuberculous Meningitis ...										
Abdominal Tuberculous ...								1		1
Other Tuberculous Diseases										
Meningitis						1	1	1		3
Convulsions...										
Laryngitis										
Bronchitis										
Pneumonia									2	2
Diarrhœa										
Enteritis							1			1
Gastritis			1		1					1
Syphilis										
Rickets										
Suffocation, overlying ...										
Injury at Birth										
Atelectasis	1				1					1
Congenital Malformations...			1		1					1
Premature Birth	2		2		4					4
Atrophy, Debility, Marasmus	2				2					2
Other Causes						1			1	2
	5		4		9	2	2	3	4	20

Nett Births in the year : Legitimate 167, Illegitimate 2.
Nett Deaths in the year : Legitimate Infants 20, Illegitimate —

In recording the facts under the various headings of Tables I, II, III, & IV, attention has been given to the notes on the Tables.

Annual Report of Medical Officer of Health

For the year 1915, for the

RURAL DISTRICT COUNCIL OF BURY,

Factories, Workshops, Workplaces, and Homework.

INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries.) ..	56	6	None
Workshops (Including Workshop Laundries.) ..	22		
Workplaces			
Total	78	6	None

DEFECTS FOUND.

Particulars.	Number of Defects.			
	Found	Remedied.	Referred to H.M. Inspector	Number of Prosecutions
Nuisances under the Public Health Acts :—				
Want of cleanliness	5	5		
Want of Ventilation				
Overcrowding				
Want of drainage of floors				
Other nuisances				
Sanitary accommodations — insufficient	1	1		
Sanitary accommodations — unsuitable or defective	3			
Sanitary accommodations — not separate for sexes	2	2		
Offences under the Factory and Workshop Acts :—				
Illegal occupation of underground bakehouse				
Breach of special sanitary requirements for bakehouses ..				
Other offences				
Total	11	8		

REGISTERED WORKSHOPS.

3 Dressmakers
2 Milliners
2 Barbers
5 Clog and Shoe Makers
1 Undertakers, &c.
1 Brewery
1 Tripe Dressers
5 Bakehouses
1 Plumbers

Total number of workshops on Register 20

OTHER MATTERS.

		Number
Matters notified to H.M. Inspectors of Factories:		
Failure to affix Abstract of the Factory and Workshops Act..		
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5)	Notified by H.M. Inspector	3
	Reports (of action taken) sent to H.M. Inspectors	3
Other		
Underground Bakehouses:		
Certificates granted during the year		
In use at the end of the year		

JAMES W. COOK, Medical Officer of Health.

May 18th, 1916.